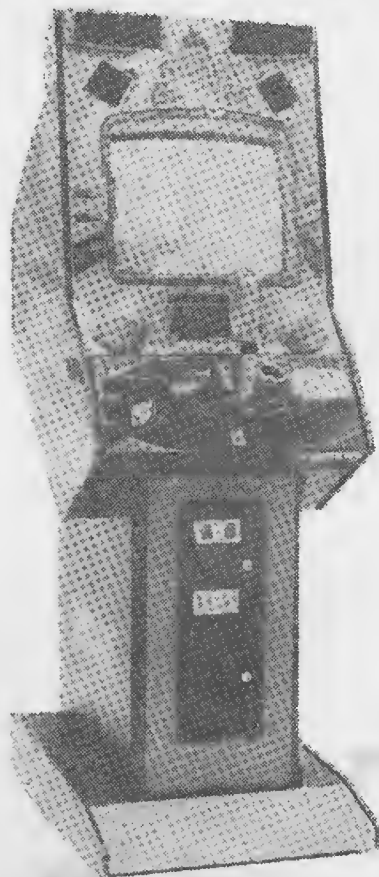


1st PRINTING - JS

SEGA® AFTER BURNER

UPRIGHT TYPE

OWNER'S MANUAL



SEGA ENTERPRISES, LTD.

TABLE OF CONTENTS

| | |
|--|----|
| INTRODUCTION TO THE OWNER'S MANUAL..... | 2 |
| 1. HANDLING PRECAUTIONS..... | 2 |
| 2. PREVENTION OF COUNTERFEITING AND CONVERSION | 3 |
| 3. PRECAUTIONS CONCERNING THE PLACE OF INSTALLATION..... | 4 |
| 4. NAME OF PARTS..... | 5 |
| 5. OPENING THE CONTROL UNIT..... | 6 |
| 6. HANDLE UNIT ADJUSTMENT..... | 7 |
| 7. REPLACING THE MOTOR BRUSHES..... | 8 |
| 8. THROTTLE UNIT ADJUSTMENT..... | 9 |
| 9. IC BOARD | 10 |
| 10. SERVICE SWITCH FUNCTIONS..... | 11 |
| 11. DIP SWITCH SETTINGS..... | 12 |
| 12. EPROM/MASK ROM LOCATIONS | 13 |
| 13. PARTS LIST..... | 14 |
| 14. WIRING DIAGRAM..... | 29 |

NOTE:

Descriptions herein contained may be subject to improvement changes
without notice.

INTRODUCTION TO THE OWNER'S MANUAL

SEGA ENTERPRISES, LTD., supported by its high electronic technology of LSI's, microprocessors, etc. and a wealth of experience, has for more than 30 years been supplying various innovative and popular game machines to the world market. This OWNER'S manual is intended to provide detailed comments together with all the necessary information covering the operation in general of electronic assemblies, electromechanicals, servicing control, spare parts, etc. as regards the AFTER BURNER U/R, a new SEGA product. The manual is intended for those who have knowledge of electricity and technical expertise especially in ICs, CRTs, microprocessors, etc. Carefully read so as to acquire sufficient knowledge before working on the machine. Should there be a malfunction, non-technical personnel should under no circumstance touch the interior system.

1. HANDLING PRECAUTIONS

When installing or inspecting, be very careful of the following points and pay attention to ensure that the player can enjoy the game safely:

- o Be sure to turn the power off before working on the machine.
- o To insert or pull out the plug quickly is dangerous.
- o It's necessary to make sure that the power cord or the grounding wire is not exposed on the road, etc. in a manner so as to be dangerous. Make sure that grounding connections are made safely at the position where so specified.
- o Do not use any fuse that does not meet the specified rating.
- o Make complete connections for the IC board and other connectors. Insufficient insertion is very dangerous.

Also, for the IC board circuit inspections, only the logic tone is allowed. The use of a tester is not permitted so be careful in this regard. After confirming that there are no irregularities, turn the power ON.

2. PREVENTION OF COUNTERFEITING AND CONVERSION

LABELLING

To prevent counterfeits and conversions, the following labels are put on all the SEGA products. When handling such goods, be sure to confirm the labels. They are used to prevent illegal acts such as the unauthorized copying of the products and the printed circuit boards thereof or carrying on business by manufacturing similar merchandise or by converting, selling or using such products or printed circuit boards.

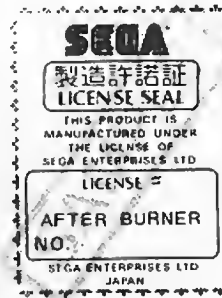
ORIGINAL SEAL

The following seal is put on the machines manufactured by SEGA.



LICENSE SEAL

The following seal is put on the kits, such as the printed circuit boards, of SEGA products.



COPYRIGHT NOTICE

This SEGA product has the copyright notice as follows:

© SEGA 1987

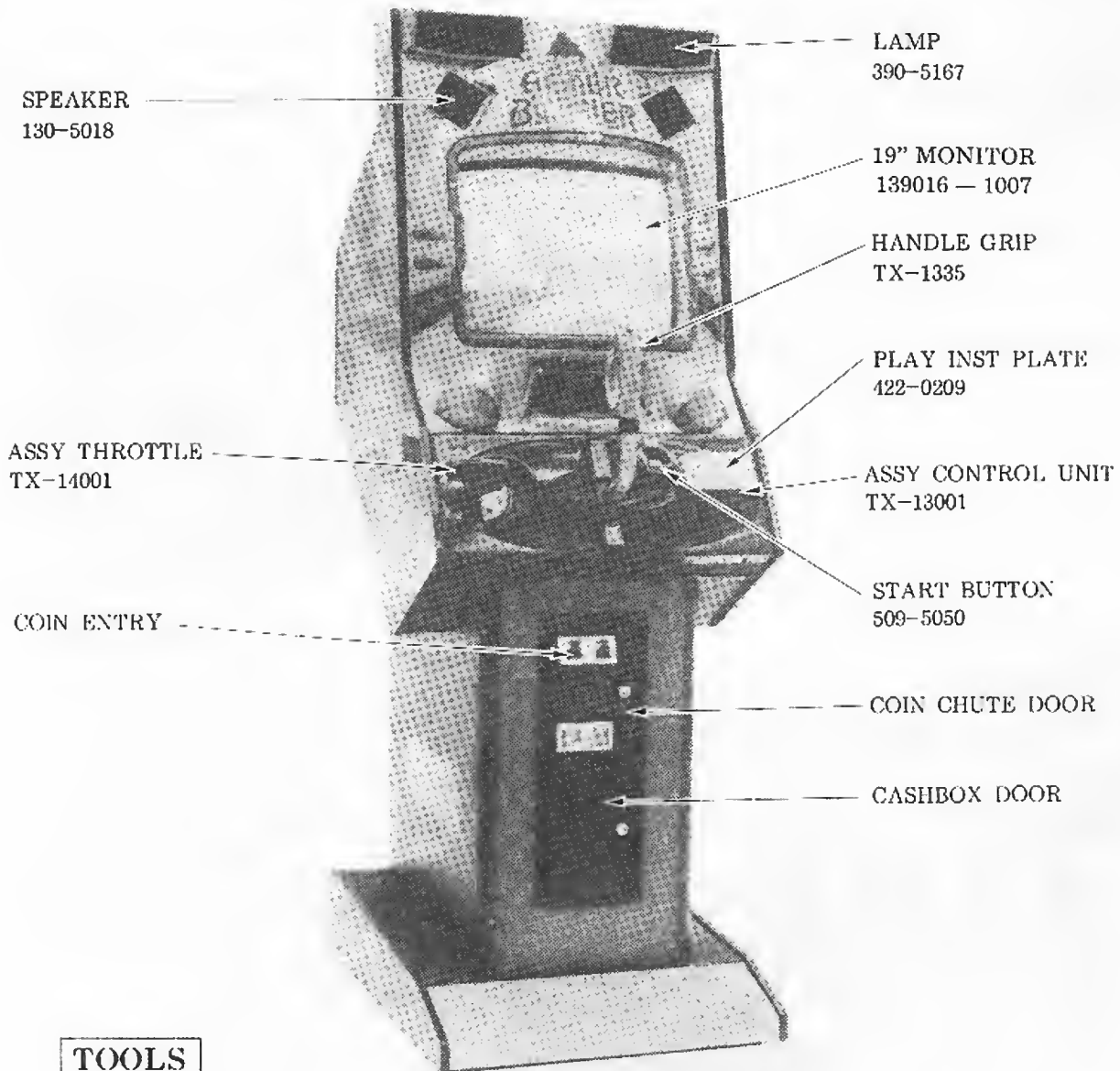
This signifies that this work was disclosed in 1987 and is the property of SEGA ENTERPRISES, LTD.

3. PRECAUTIONS CONCERNING THE PLACE OF INSTALLATION

The AFTER BURNER U/R, is an indoor game machine. Absolutely do not install it outside. Even indoors, avoid installing in places mentioned below so as to ensure proper usage:

- o Places subject to rain or water leakage, or condensation due to humidity.
- o In the proximity of an indoor swimming pool and shower.
- o Places subject to direct sunlight.
- o Places subject to heat sources from heating units, etc., or hot air.
- o Vicinity of highly inflammable/volatile chemicals or hazardous matter.
- o Sloped surfaces.
- o Vicinity of anti-disaster facilities such as fire exits and fire extinguishers.
- o Places subject to any type of violent impact.
- o Dusty places.

4. NAME OF PARTS



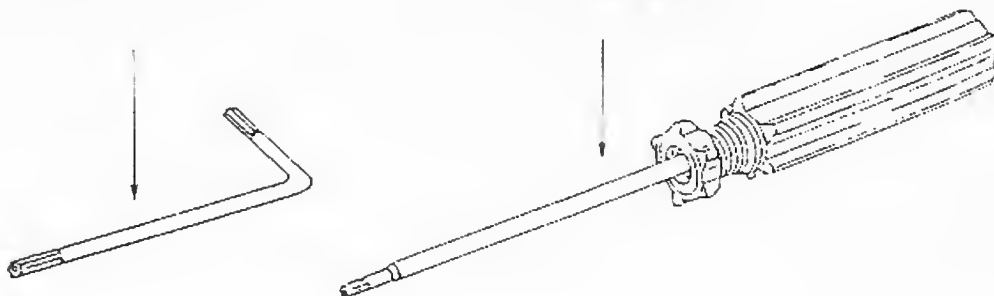
TOOLS

(TAMPERPROOF WRENCH)

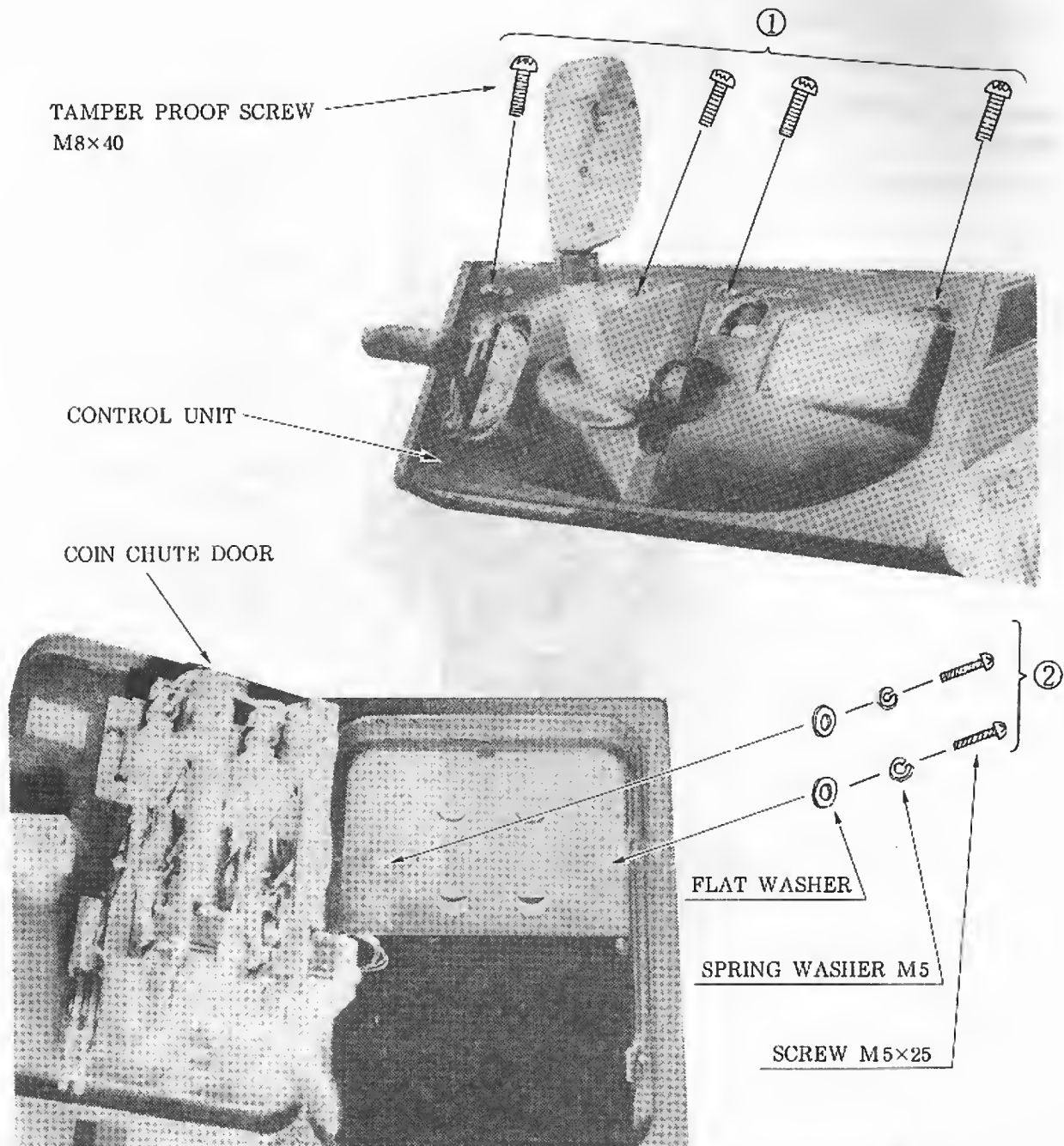
M4 540-0006-01
M5 540-0007-01
M8 540-0009-01

(TAMPERPROOF WRENCH)

M4 540-0018
M5 540-0017
M8 540-0011



5. OPENING THE CONTROL UNIT



- o When opening the CONTROL UNIT, take off the 4 TAMPERPROOF SCREWS ①, open the COIN CHUTE DOOR, take off the 2 (M5 x 25) SCREWS ②, and the entire CONTROL UNIT will open towards you.
- o Opening the CONTROL UNIT allows for spring replacements, handle centering V.R. adjustments, motor brush replacements and THROTTLE UNIT centering adjustments.

6. HANDLE UNIT ADJUSTMENT

In the test mode, cause the DIAGNOSTIC INPUT DISPLAY to appear on the screen (to select it, push the test switch and move the handle upward and downward).

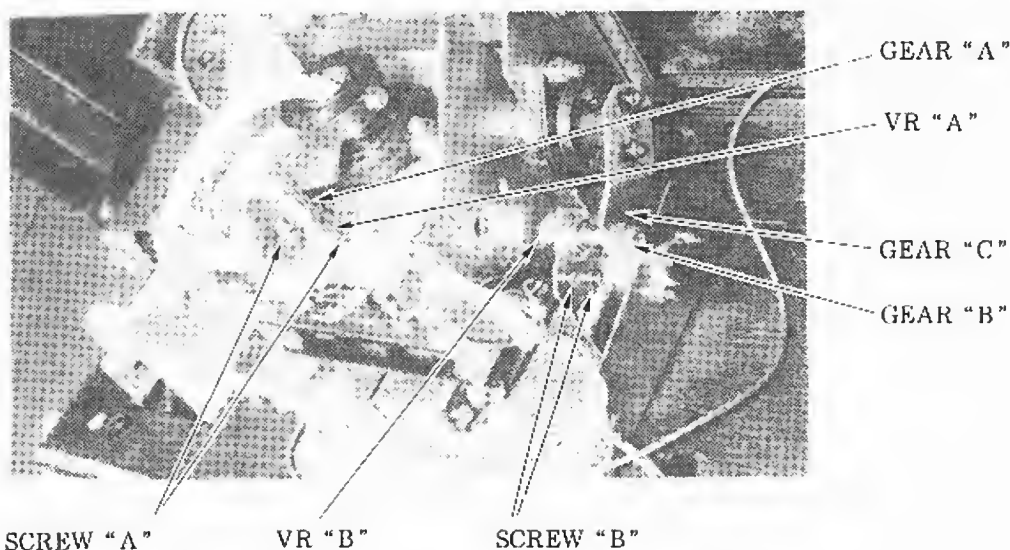
DIAGNOSTIC INPUT TEST

COIN #1 OFF START OFF
COIN #2 OFF SERVICE OFF

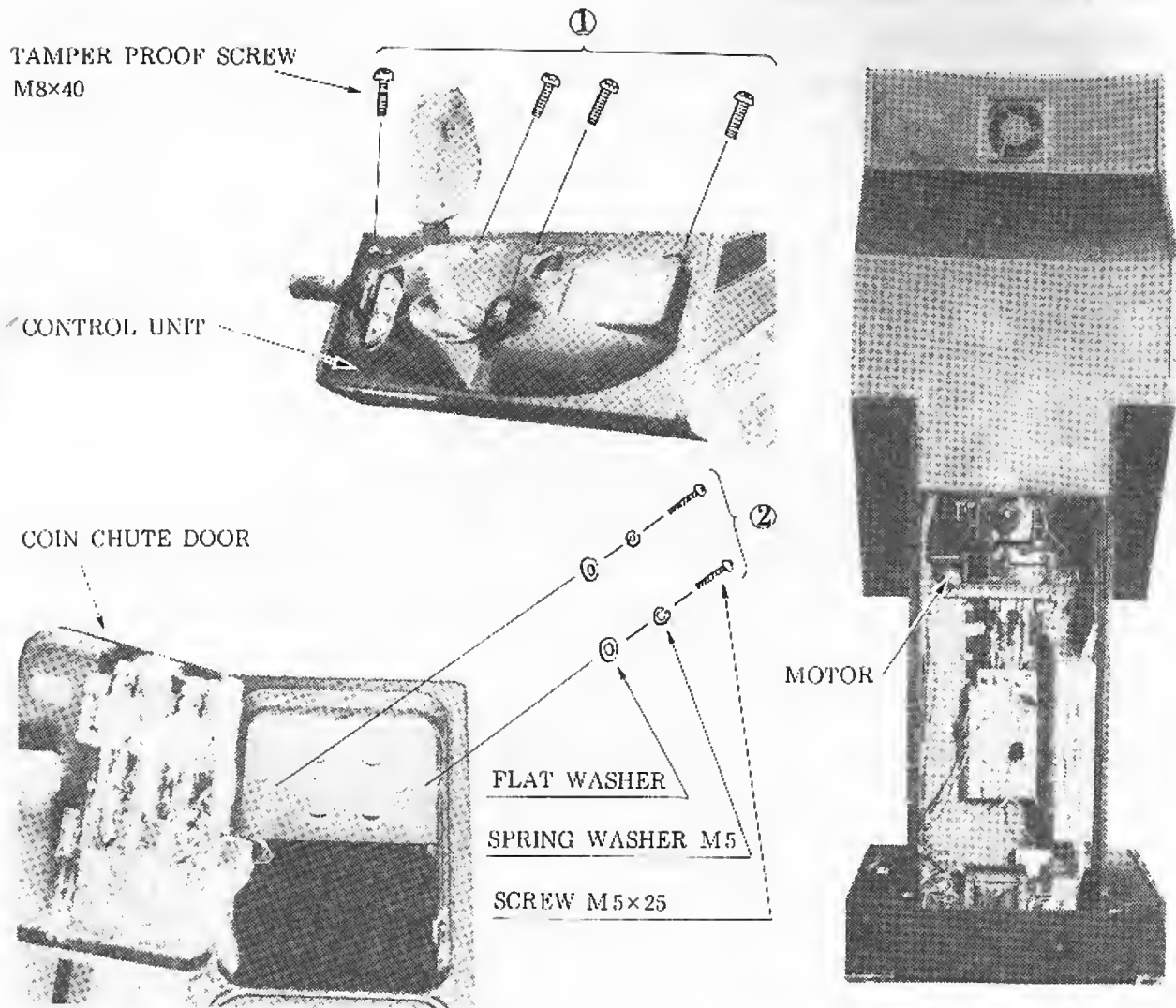
VALCAN OFF
MISSILE OFF

| | | |
|------------------|-----|---|
| STICK RIGHT LEFT | 80H | ① |
| STICK UP DOWN | 80H | |
| SPEED | 80H | ② |

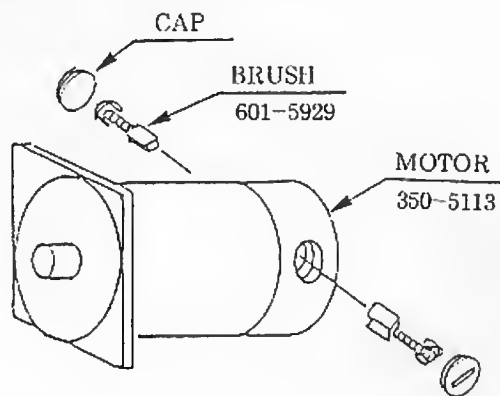
- ① To make VR adjustments in a horizontal direction (RIGHT/LEFT), release the VR "A" bracket's "A" screws and turn gear "A" in a manner so that when the handle grip is in an unoperated status, $80H \pm 2H$ is obtained. At this time, also make backlash adjustments.
- ② When making vertical (UP/DOWN) adjustments, while maintaining the present inclination of the handle unit, unfasten the gear "C" bracket's "B" screws and fasten the gear "C" bracket when the monitor display shows $80H \pm 2H$. For backlash adjustments, loosen the VR "B" bracket.



7. REPLACING THE MOTOR BRUSHES



To replace the motor brushes, release the cap with a screwdriver, etc. and take out the brushes. Replacement once every 6 months is recommended. Make sure that both brushes are simultaneously replaced.



8. THROTTLE UNIT ADJUSTMENT

DIAGNOSTIC
INPUT TEST

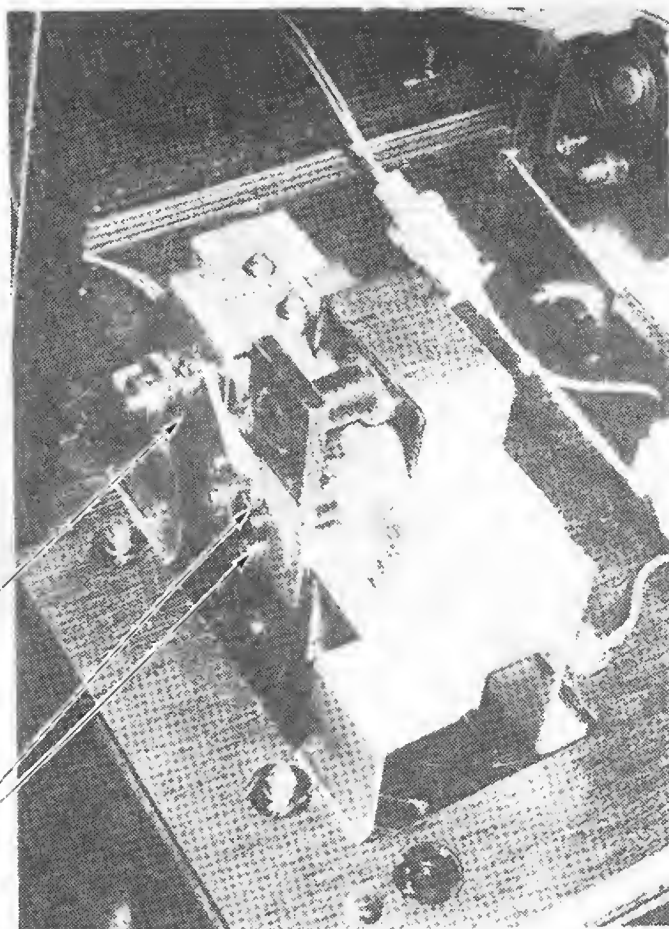
COIN #1 OFF START OFF
COIN #2 OFF SERVICE OFF

VALCAN OFF
MISSILE OFF

STICK RIGHT LEFT 80H ①
STICK UP DOWN 80H ②
SPEED 80H ③

GEAR

ADJUSTMENT SCREW



③ SPEED

Unfasten the 2 adjustment screws to loosen the volume bracket, making sure that in relation to the gear engagement, the variable value in the test mode is within the allowable adjustment range, and then refasten the adjustment screws.

Reference value

↓

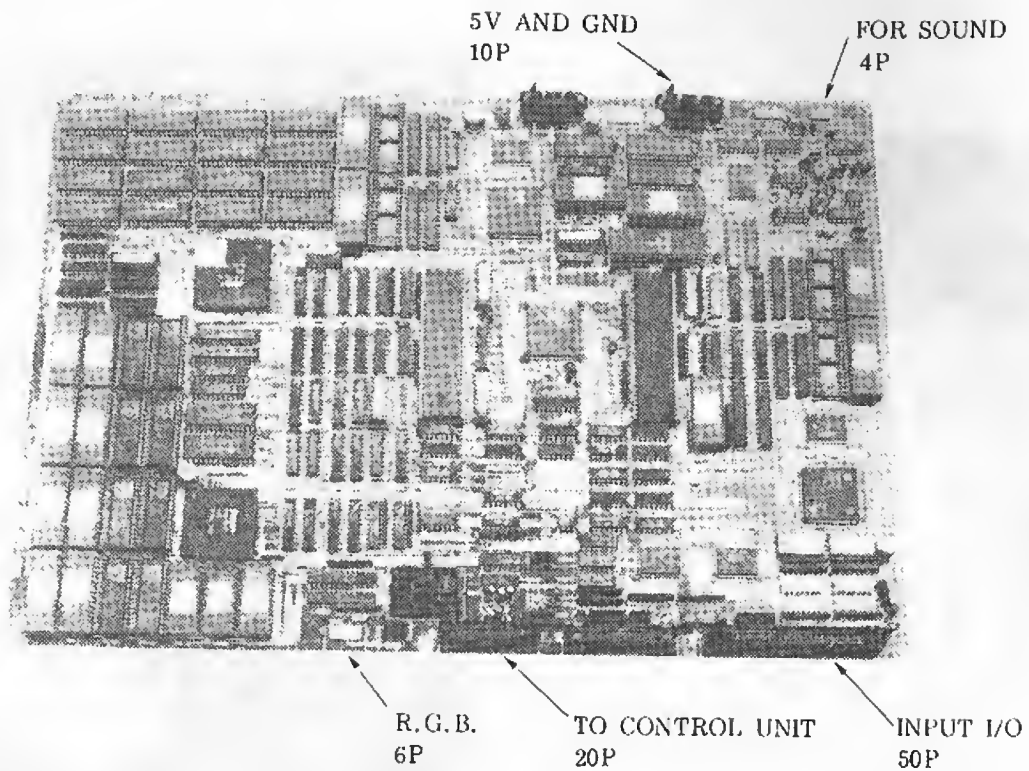
Minimum ←

7CH 7DH 7EH 7FH 80H 81H 82H 83H 84H

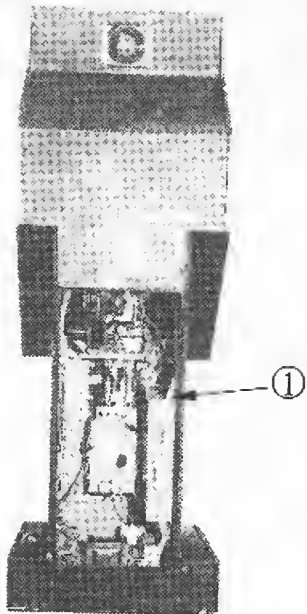
→ Maximum

----- Allowable adjustment range -----

9. IC BOARD



o HOW TO REMOVE THE IC BOARD

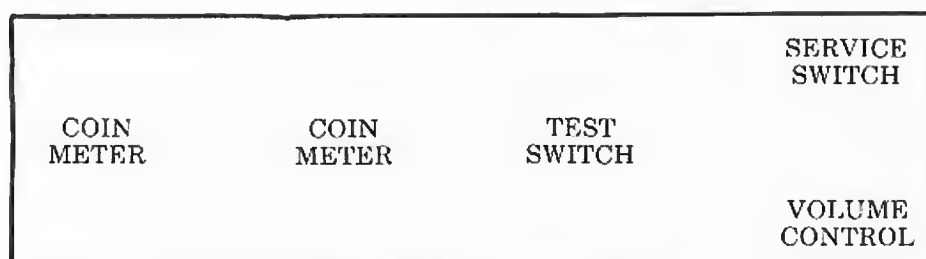


1. Disconnect all of the 4 filter board (839-0108) CONNECTORS.
2. Take off the SCREW

① which secures the SHIELD BASE.
3. Completely pull out the SHIELD BASE.
4. Take off the 6 S TITE SCREWS which secure the IC BOARD.
5. The IC BOARD can be removed by taking off the inserted connectors.

10. SERVICE SWITCH FUNCTIONS

The layout as shown below can be viewed by opening the coin chute door.



COMPONENT BRACKET

INSTRUCTIONS

- SERVICE SWITCH Used for the purpose of servicing and increasing the credits without registering on the meter (this allows you to check the game).
- TEST SWITCH For operating this switch, see SELF-TESTING.
- VOLUME ADJUSTMENT The volume of the speaker inside the cowl can be adjusted.

11. DIP SWITCH SETTINGS

COIN/CREDIT OPTION SWITCH SETTING

DIP SW A

| OPTION | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----------|-----------|-------------|-----|-----|-----|-------------|-----|-----|-----|
| 1 COIN | 1 CREDIT | OFF | OFF | OFF | OFF | OFF | OFF | OFF | OFF |
| 1 COIN | 2 CREDITS | ON | OFF | OFF | OFF | ON | OFF | OFF | OFF |
| 1 COIN | 3 CREDITS | OFF | ON | OFF | OFF | ON | ON | OFF | OFF |
| 5 COINS | 1 CREDIT | ON | ON | OFF | OFF | ON | ON | OFF | OFF |
| 6 COINS | 1 CREDIT | OFF | OFF | ON | OFF | OFF | OFF | ON | OFF |
| 7 COINS | 1 CREDIT | ON | OFF | ON | OFF | ON | OFF | ON | OFF |
| 2 COINS | 1 CREDIT | OFF | ON | ON | OFF | OFF | ON | ON | OFF |
| 3 COINS | 1 CREDIT | ON | ON | ON | OFF | ON | ON | ON | OFF |
| 4 COINS | 1 CREDIT | OFF | OFF | OFF | ON | OFF | OFF | OFF | ON |
| 2 COINS | 3 CREDITS | ON | OFF | OFF | ON | ON | OFF | OFF | ON |
| 2 COINS | 1 CREDIT | OFF | ON | OFF | ON | OFF | ON | OFF | ON |
| 3 COINS | 2 CREDITS | | | | | | | | |
| 5 COINS | 3 CREDITS | | | | | | | | |
| 6 COINS | 4 CREDITS | | | | | | | | |
| 2 COINS | 1 CREDIT | ON | ON | OFF | ON | ON | ON | OFF | ON |
| 4 COINS | 3 CREDITS | OFF | OFF | ON | ON | OFF | OFF | ON | ON |
| 1 COIN | 1 CREDIT | | | | | | | | |
| 2 COINS | 2 CREDITS | | | | | | | | |
| 3 COINS | 3 CREDITS | | | | | | | | |
| 4 COINS | 4 CREDITS | ON | OFF | ON | ON | OFF | ON | ON | ON |
| 6 COINS | 6 CREDITS | | | | | | | | |
| 1 COIN | 1 CREDIT | | | | | | | | |
| 2 COINS | 2 CREDITS | | | | | | | | |
| 3 COINS | 3 CREDITS | OFF | ON | ON | OFF | ON | ON | ON | ON |
| 4 COINS | 5 CREDITS | | | | | | | | |
| 1 COIN | 1 CREDIT | | | | | | | | |
| 2 COINS | 3 CREDITS | | | | | | | | |
| FREE PLAY | | ON | ON | ON | ON | ON | ON | ON | ON |
| | | COIN SW # 1 | | | | COIN SW # 2 | | | |

GAME OPTION SWITCH SETTING

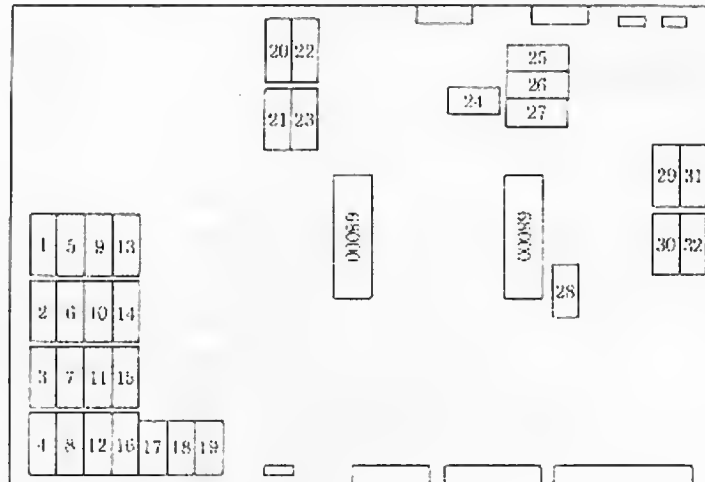
DIP SW B

| OPTION | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--|-----------------------------------|-----|-----|-----------|-----------|-----------|-----------|------------------------|------------------------|
| MOVING DX CABINET MOVING STD TYPE UP RIGHT 1 UP RIGHT 2 | | OFF | OFF | | | | | | |
| | | ON | OFF | | | | | | |
| | | OFF | ON | | | | | | |
| | | ON | ON | | | | | | |
| THROTTLE WITH LEVER WITHOUT | | | | OFF ON | | | | | |
| SHIPS PER 3 PLAYERS CREDIT 4 PLAYERS | | | | | OFF ON | | | | |
| SHIP INCREASE | NO YES | | | | | OFF ON | | | |
| CONTINUE PLAY | NO YES | | | | | | OFF ON | | |
| GAME DIFFICULTY | NORMAL EASY HARD HARDEST | | | | | | | OFF ON OFF ON | OFF OFF ON ON |

1 2 3 4 5 6 7 8
OF OF OF OF ON OF ON OF

12. EPROM/MASK ROM LOCATIONS

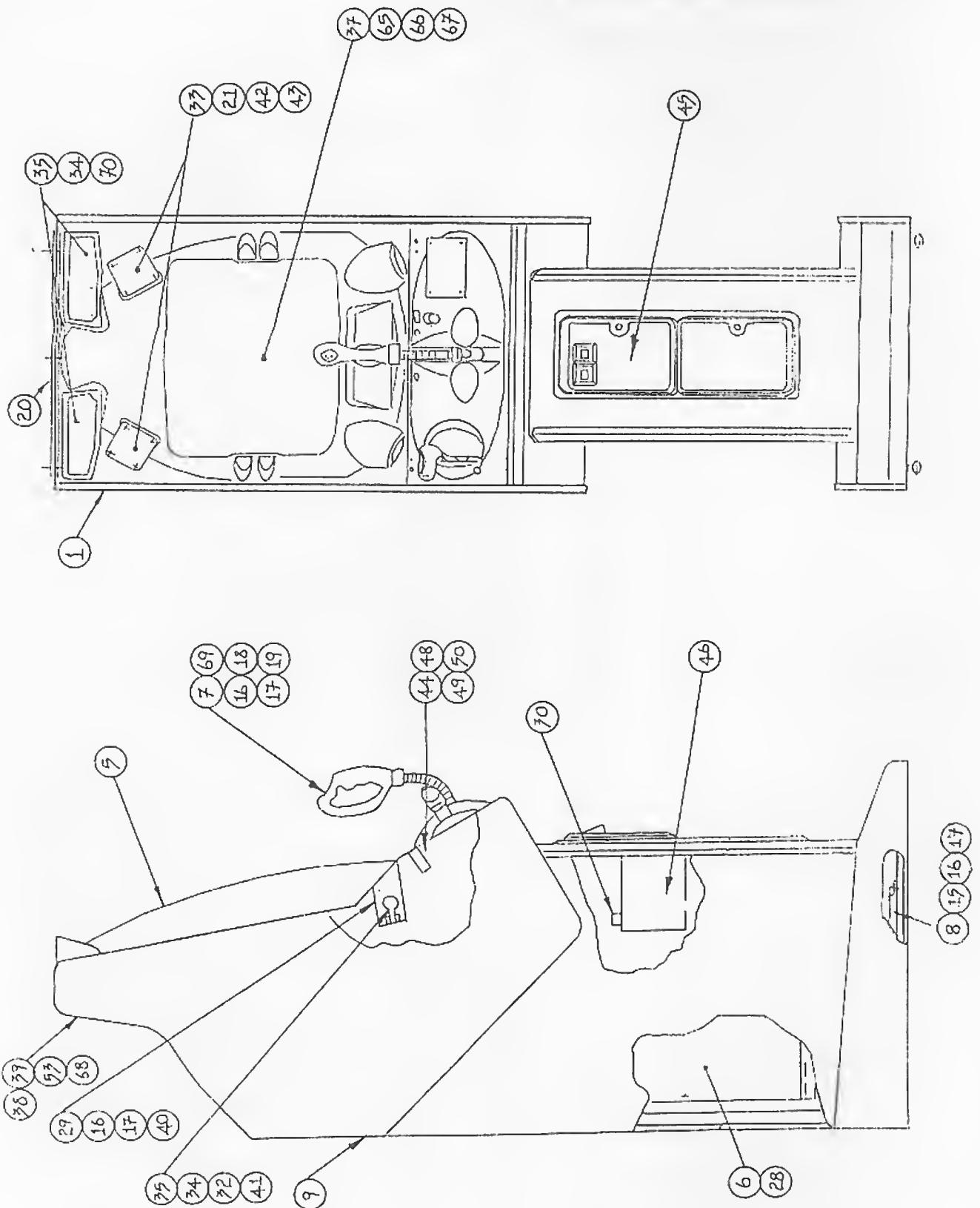
GAME BD AFTER BURNER 834-6335-01



| | IC LOCATION | NUMBER | MAIN WORK |
|----|-------------|-------------|--|
| 1 | IC 93 | EPR - 11098 | OBJECT (CHARACTER & SCENE SCENERY) |
| 2 | IC 97 | EPR - 11099 | |
| 3 | IC 101 | EPR - 11100 | |
| 4 | IC 105 | EPR - 11101 | |
| 5 | IC 92 | EPR - 11094 | |
| 6 | IC 96 | EPR - 11095 | |
| 7 | IC 100 | EPR - 11096 | |
| 8 | IC 104 | EPR - 11097 | |
| 9 | IC 91 | MPR - 10933 | |
| 10 | IC 95 | MPR - 10935 | |
| 11 | IC 99 | MPR - 10937 | |
| 12 | IC 103 | MPR - 10939 | |
| 13 | IC 90 | MPR - 10932 | |
| 14 | IC 94 | MPR - 10934 | |
| 15 | IC 98 | MPR - 10936 | |
| 16 | IC 102 | MPR - 10938 | |
| 17 | IC 154 | EPR - 11089 | FIX SCROLL CHARACTER |
| 18 | IC 153 | EPR - 11088 | |
| 19 | IC 152 | EPR - 11087 | |
| 20 | IC 58 | EPR - 11092 | MAIN PROGRAM |
| 21 | IC 63 | EPR - 11093 | |
| 22 | IC 57 | EPR - 10950 | |
| 23 | IC 62 | EPR - 10951 | |
| 24 | IC 17 | EPR - 10923 | SOUND PROGRAM |
| 25 | IC 11 | MPR - 10930 | SOUND DATA |
| 26 | IC 12 | MPR - 10931 | |
| 27 | IC 13 | EPR - 10929 | |
| 28 | IC 40 | EPR - 10922 | ROAD |
| 29 | IC 21 | SUBPROGRAM | |
| 30 | IC 30 | EPR - 11090 | |
| 31 | IC 20 | EPR - 11091 | |
| 32 | IC 29 | | |

13. PARTS LIST

1. FINAL ASSY AFTER BURNER U/R (TX - 00001 AT) (D - 1/2)



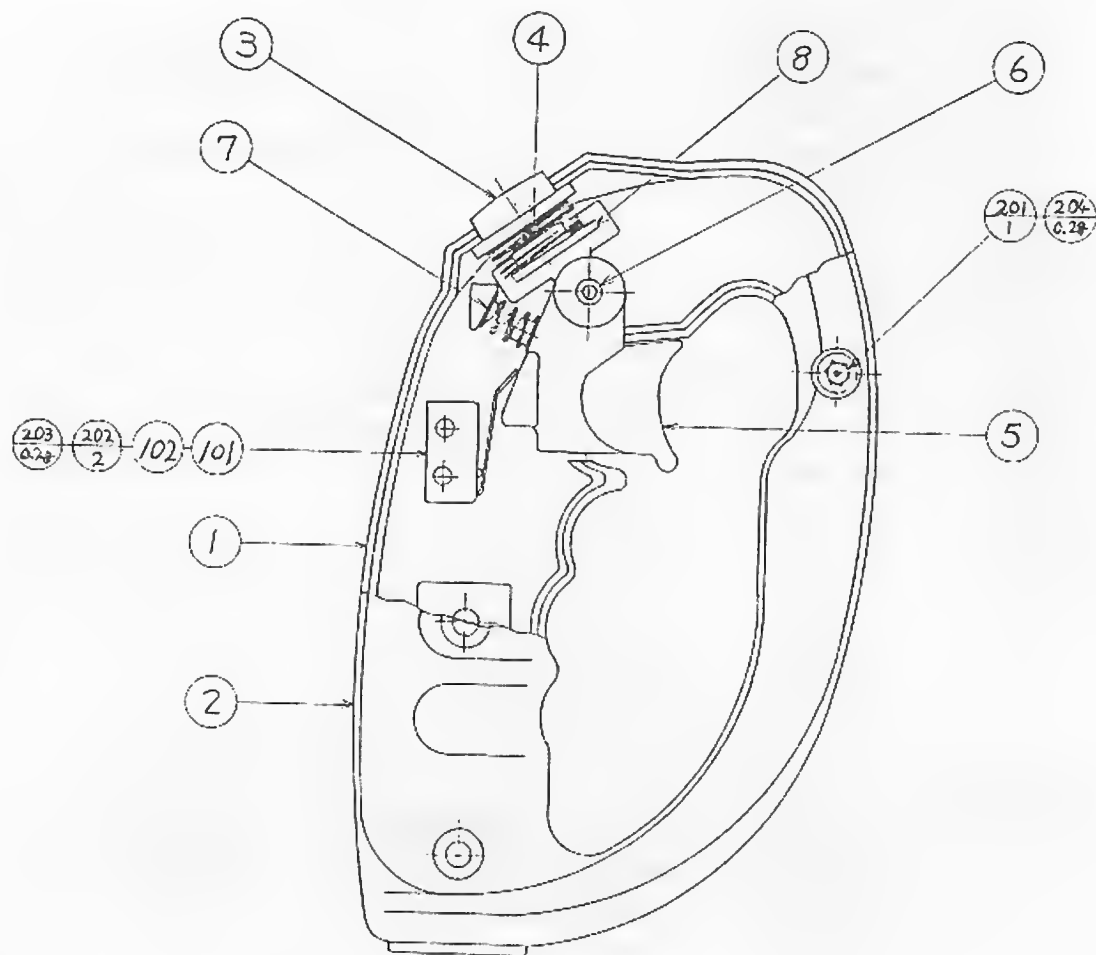
1. FINAL ASSY AFTER BURNER U/R (TX - 00001 AT) (D - 2/2)

| ITEM NO. | PART NO. | DESCRIPTION |
|----------|---------------|-------------------------------------|
| 1 | A044586-51 | ASSY CABINET U/R |
| 3 | 420-5798-01AT | OWNER'S MANUAL AFTER BURNER U/R ENG |
| 5 | TX-1616 | FRONT PANEL W/STICKER |
| 6 | A044620-51 | ASSY GAME BOARD AFTER BURNER EXPORT |
| 7 | TX-13001 | ASSY CONTROL UNIT U/R |
| 8 | TX-40001AT | ASSY PWR SPLY U/R |
| 9 | 117-5123 | NAME PLATE ELEC SPEC USA |
| 10 | 421-6709 | STICKER SERVICE INSTR ENGLISH |
| 11 | 421-6594 | STICKER SERIAL NO INFO |
| 12 | 421-5800-60 | ORIGINAL SEAL AFTER BURNER |
| 13 | 421-6929-01 | ADJUST INSTR SHEET TX EXPORT |
| 15 | 000-0530 | M SCR PH M5 x 30 |
| 16 | 069-0001 | FLT WSHR 5.5-20 x 1.6 |
| 17 | 061-0005 | SPRING WSHR M5 |
| 18 | 008-0516 | TMP PRF SCR TH M5 x 16 |
| 20 | 000-0520 | SCR TH M5 x 20 |
| 19 | 029-0099 | TMP PRF SCR BH M8 x 40 |
| 69 | 000-0525 | M SCR PH M5 x 25 |

SPARES KIT.....

| | |
|-------------|-----------------------|
| 540-0009-01 | WRENCH FOR TMP SCR M8 |
| 540-0007-01 | WRENCH FOR TMP SCR M5 |
| 540-0006-01 | WRENCH FOR TMP SCR M4 |
| 390-5167 | LAMP 110V 30W |
| 220-5130 | VOL CONT B-5K OHM |
| 601-5929 | MOTOR BRUSH |
| TX-1317 | EXT SPRING |
| TX-1330 | EXT SPRING |
| TX-1423 | EXT SPRING |

② ASSY HANDLE GRIP (TX - 1335)

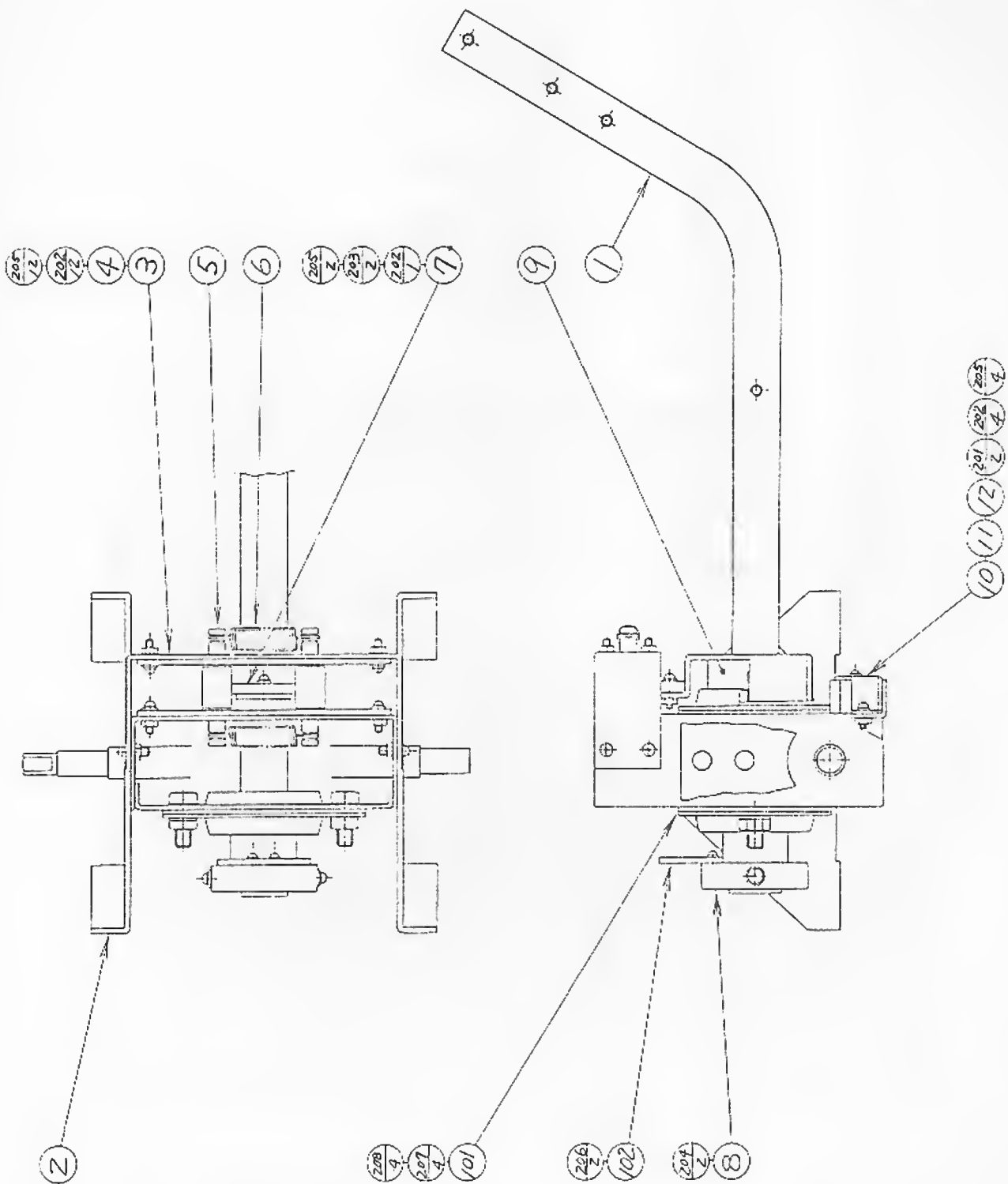


| ITEM NO. | PART NO. | DESCRIPTION |
|----------|----------|--|
| 1 | TX-1336 | HANDLE GRIP LEFT |
| 2 | TX-1337 | HANDLE GRIP RIGHT |
| 3 | TX-1338 | BUTTON |
| 4 | TX-1339 | COMPRESSION SPRING |
| 5 | CD-2041 | TRIGGER |
| 6 | CD-2042 | SHAFT TRIGGER |
| 7 | 125-0011 | COMPRESSION SPRING |
| 8 | 839-0087 | SW BOARD |
| 9 | 600-5521 | WIRE HARN HANDLE GRIP |
| 10 | 211-0041 | CONN PIN AMP |
| 101 | 509-0058 | SWITCH MICRO TYPE (MULON SL-220) |
| 102 | 530-0028 | THERMO-SHRINK TUBE HISHILITE TRANSPARENT 4mm |
| 201 | 029-0052 | TMP PRF SCR PH M5×10 |
| 202 | 029-0134 | M SCR PH M2×10 |
| 203 | 244-044 | GLUE SCR LOCK |
| 204 | 244-106 | LOCTITE #271 |

③ ASSY CONTROLLER (TX - 1350) (D - 2/2)

| ITEM NO. | PART NO. | DESCRIPTION |
|----------|-------------|--------------------------|
| 1 | TX-1351 | SUB ASSY CONTROLLER |
| 2 | TX-1352 | ASSY SHOCK MECHANISM |
| 3 | TX-1318 | VR BRACKET A |
| 4 | TX-1334 | VR BRACKET B |
| 5 | TX-1307 | ADJUST PLATE |
| 6 | MX-2017 | ADJUSTER |
| 101 | 100-5012 | BEARING 1/12 |
| 102 | 220-5130 | VOL CONT B-5K OHM |
| 103 | 601-5410 | GEAR 15, 2/6 |
| 104 | 601-5423 | GEAR 1/6 |
| 105 | 601-5493 | GEAR 20, 2/15 |
| 201 | 000-0408 FS | M SCR PH W/FS M4x8 |
| 202 | 000-0408 S | M SCR PH W/S M4x8 |
| 203 | 000-0412 FS | M SCR PH W/FS M4x12 |
| 204 | 028-0005 | SET SCR PH SPECIAL M3x8 |
| 205 | 028-0021 | SET SCR PH SPECIAL M4x16 |
| 206 | 061-0006 | SPR WSHR M6 |
| 207 | 054-0006 | U NUT M6 |

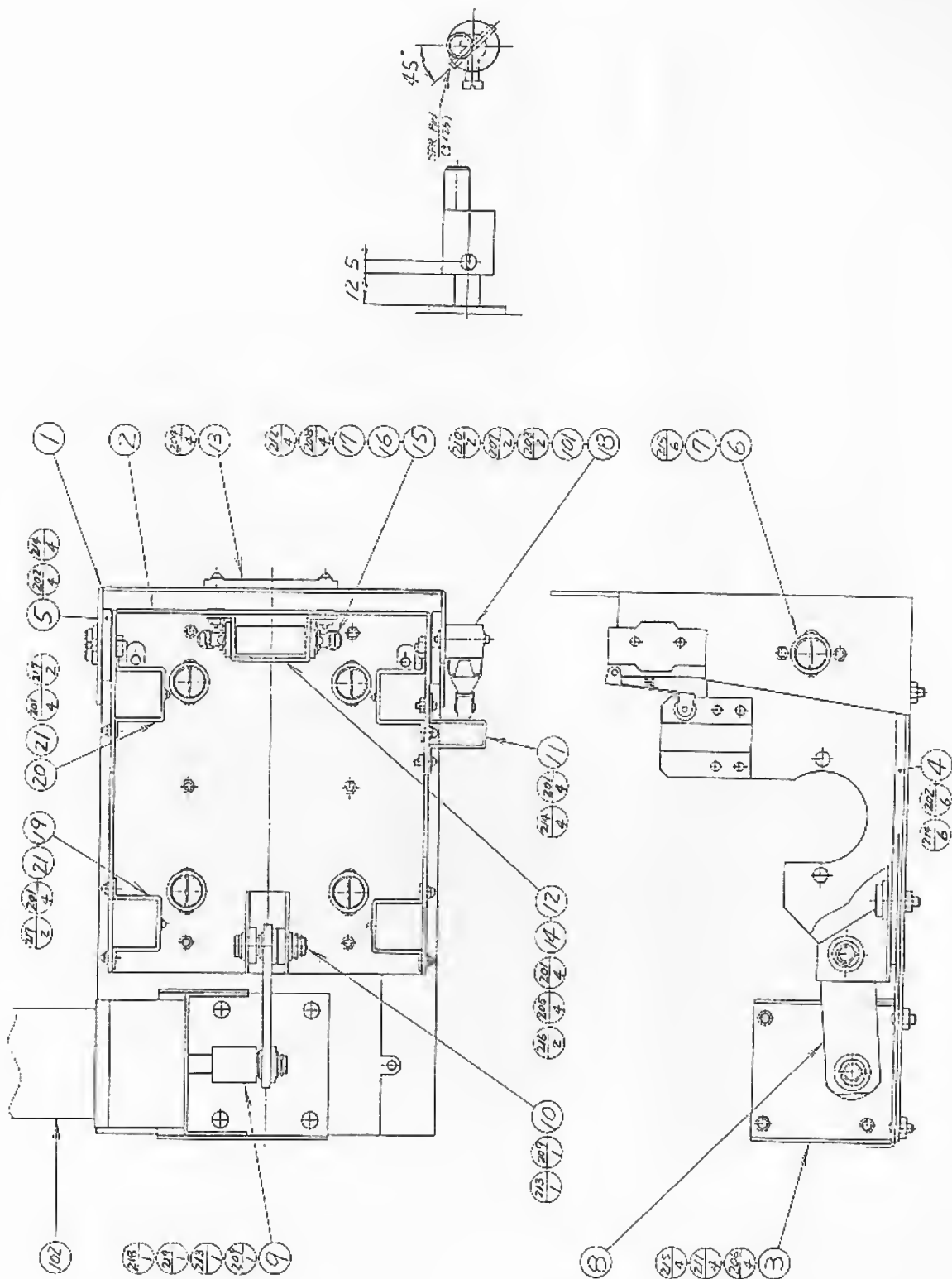
④ SUB ASSY CONTROLLER (TX - 1351) (D - 1/2)



④ SUB ASSY CONTROLLER (TX - 1351) (D - 2/2)

| ITEM NO. | PART NO. | DESCRIPTION |
|----------|-------------|---------------------|
| 1 | TX-1355 | HANDLE SHAFT U |
| 2 | TX-1313X | MECHANISM BASE |
| 3 | TX-1314 | FRONT COVER |
| 4 | TX-1315 | PLATE |
| 5 | TX-1316 | SHAFT A |
| 6 | TX-1317 | EXT SPRING |
| 7 | TX-1319 | CENTER PLATE |
| 8 | TX-1320 | ADJUSTER |
| 9 | TX-1321 | FRONT SPACER |
| 10 | TX-1322 | BUMPER HOLDER L |
| 11 | TX-1323 | BUMPER HOLDER R |
| 12 | TX-1371 | BUMPER C |
| 13 | TX-1373 | SPACER A |
| 101 | 100-5043 | BEARING $\phi 25$ |
| 102 | 601-5942 | GEAR 1/5, 1/4 |
| 201 | 000-0305-S | M SCR PH W/S M3×5 |
| 202 | 000-0412-FS | M SCR PH W/FS M4×12 |
| 203 | 000-0416-FS | M SCR PH W/FS M4×16 |
| 204 | 000-0520-FS | M SCR PH W/FS M5×20 |
| 205 | 054-0004 | U NUT M4 |
| 206 | 000-0408-S | M SCR PH W/S M4×8 |
| 207 | 061-0008 | SPR WSHR M8 |
| 208 | 050-0008 | HEX NUT M8 |

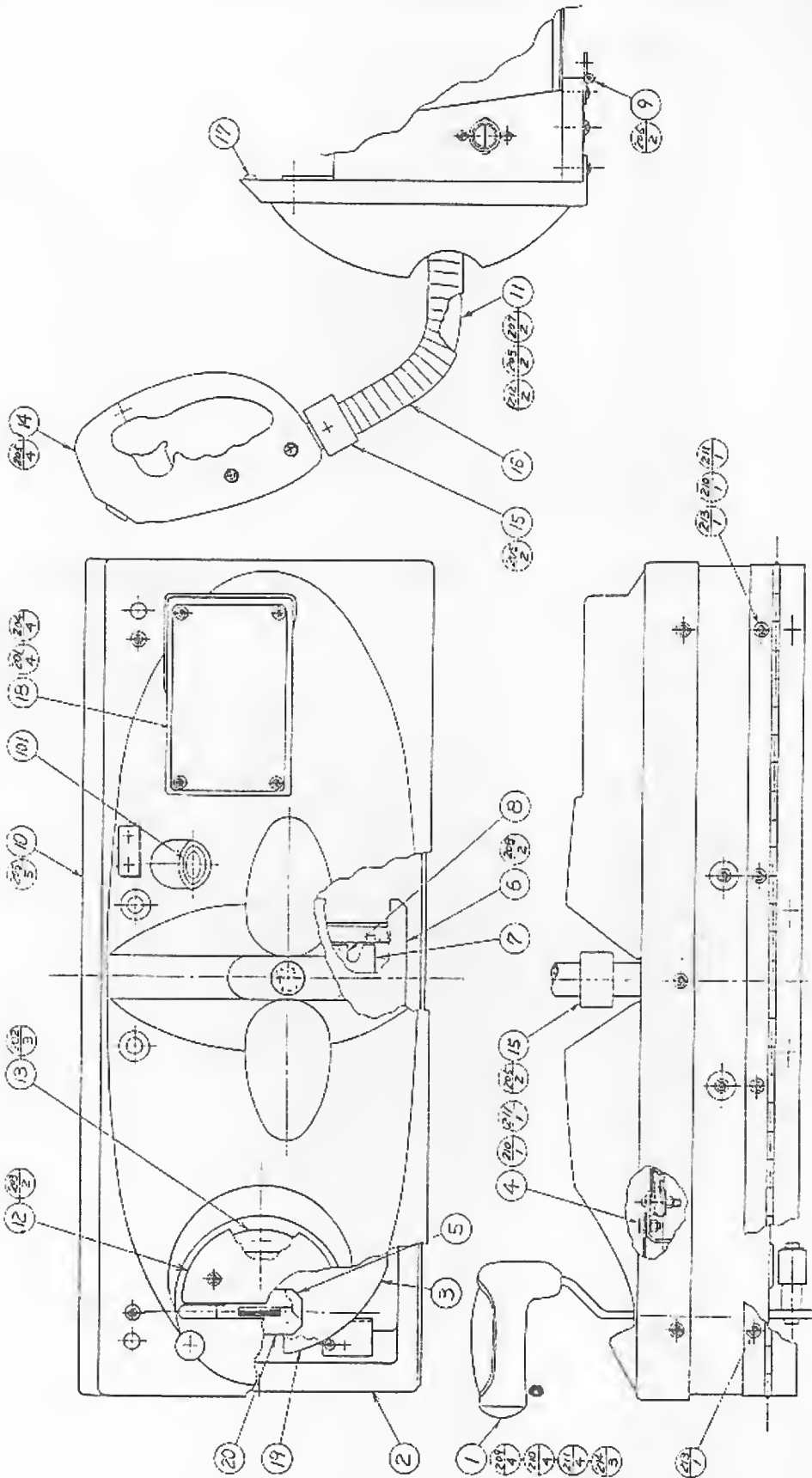
⑤ ASSY SHOCK MECHANISM (TX - 1352) (D - 1/2)



⑤ ASSY SHOCK MECHANISM (TX - 1352) (D - 2/2)

| ITEM NO. | PART NO. | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | TX-1353 | MAIN BASE |
| 2 | TX-1354 | MOVING BASE |
| 3 | TX-1357 | MOTOR BRACKET |
| 4 | TX-1358 | SLIDE PLATE BOTTOM |
| 5 | TX-1359 | SLIDE PLATE SIDE |
| 6 | TX-1360 | GUIDE WASHER |
| 7 | TX-1361 | SHOULDER SCREW |
| 8 | TX-1362 | ROD |
| 9 | TX-1363 | CAM |
| 10 | TX-1364 | SHAFT |
| 11 | TX-1365 | SWITCH BRACKET |
| 12 | TX-1325 | SPRING BRACKET |
| 13 | TX-1326 | FRONT GUIDE |
| 14 | TX-1327 | SIDE PLATE |
| 15 | TX-1328 | SHAFT B |
| 16 | TX-1329 | PIPE |
| 17 | TX-1330 | EXT SPRING |
| 18 | KR-3023 | LIMIT SW NUT PLATE |
| 19 | TX-1331 | HOLDER L |
| 20 | TX-1332 | HOLDER R |
| 21 | TX-1372 | BUMPER D |
| 22 | TX-1374 | SPACER B |
| 101 | 509-5199 | SW MICRO TYPE |
| 102 | 350-5113 | MOTOR DC 45V |
| 201 | 000-0412-FS | M SCR PH W/FS M4×12 |
| 202 | 001-0414 | M SCR FH M4×14 |
| 203 | 030-0430 | HEX BLT M4×30 |
| 204 | 000-0510-FS | M SCR PH W/FS M5×10 |
| 205 | 001-0512 | M SCR FH M5×12 |
| 206 | 029-0035 | M SCR PH M6×12 |
| 207 | 060-0004 | FLT WSHR M4 |
| 208 | 060-0008 | FLT WSHR M8 |
| 209 | 060-0010 | FLT WSHR M10 |
| 210 | 061-0004 | SPR WSHR M4 |
| 211 | 061-0006 | SPR WSHR M6 |
| 212 | 065-0006 | E RING 6mm |
| 213 | 045-0022 | COT PIN 2.5×20 |
| 214 | 054-0004 | U NUT M4 |
| 215 | 054-0006 | U NUT M6 |
| 216 | 054-0005 | U NUT M5 |
| 217 | 000-0305-S | M SCR PH W/S M3×5 |
| 218 | 028-0012 | SET SCR CHEESE HEAD SPECIAL M5×12 |
| 219 | 045-0014 | SPR PIN UNBR 3×26 |
| 220 | 090-0013 | GREASE |
| 221 | 090-0012 | SCREW LOCK |

⑥



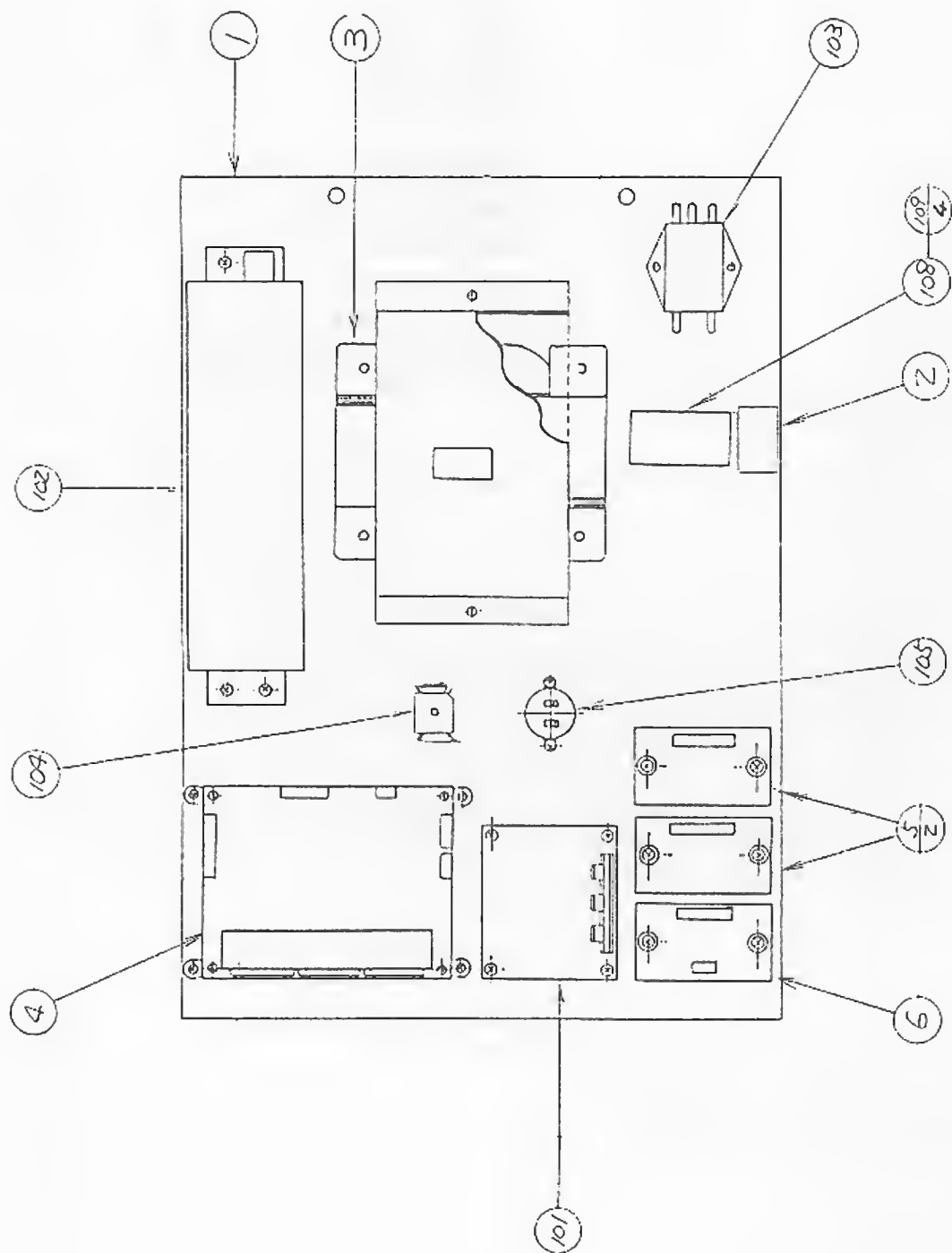
6. ASSY CONTROL UNIT U/R (TX-13001) (D-2/2)

| ITEM NO. | PART NO. | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | TX-14001 | ASSY THROTTLE U/R |
| 2 | TX-1341 | CON PNL BASE |
| 3 | TX-1342 | FLAG PLATE |
| 4 | TX 1343 | SILDER SCREW |
| 5 | TX-1344 | COVER B |
| 6 | TX-1345 | GUIDE PLATE |
| 7 | TX-1346 | SLIDE PLATE A |
| 8 | TX-1347 | SLIDE PLATE B |
| 9 | TX-1366 | HINGE 590 |
| 10 | TX-1348 | CONTROL PANEL |
| 11 | TX-1350 | ASSY CONTROLLER |
| 12 | TX-1349 | THROTTLE COVER |
| 13 | TX-1367 | COVER HOLDER |
| 14 | TX-1335 | ASSY HANDLE GRIP |
| 15 | TX 1310 | HOLDER A |
| 16 | TX-1356 | PROTECT TUBE U |
| 17 | IIN-1069 | RUBBER CUSHION |
| 18 | 422-0209 | PLAY INSTR PLATE U/R ENG |
| 19 | TX-1369 | FLAG |
| 20 | TX-1370 | COVER A |
| 101 | 509-5050 | PUSH BUTTON SWITCH 1T YELLOW W/LAMP |
| 201 | 059-0014 | WELL NUT M4 |
| 202 | 001-0406 | M SCR FH M4x6 |
| 203 | 008 0408 | TMP PRF SCR TH M4x8 |
| 204 | 008-0416 | TMP PRF SCR TH M4x16 |
| 205 | 029-0052 | TMP PRF SCR PH M5x10 |
| 206 | 008-0516 | TMP PRF SCR TH M5x16 |
| 207 | 008-0520 | TMP PRF SCR TH M5x20 |
| 208 | 000-0516-FS | M SCR PH W/FS M5x16 |
| 209 | 000-0525 | M SCR PH M5x25 |
| 210 | 061-0005 | SPR WSHR M5 |
| 211 | 051 0005 | U-NUT M5 |
| 212 | 069-0064 | FLT WSHR BLK 5.5-20x1.6 |
| 213 | 008-0525 | TMP PRF SCR TH M5x25 |
| 214 | 005 3113-F | W SCR PH W/F 3.1x13 |
| | 090-0012 | SCREW LOCK |
| 301 | SGB-3842-15 | WIRE HARN DC MOTOR |
| | 211-0043 | CONN PLUG AMP 2P WHITE |
| | 211-0041 | CONN PIN AMP |
| | 209-0032 | CONN CLOSED END |
| | 601-0460 | PLASTIC TIE BELT 85mm |
| 302 | SGB-3842-17 | WIRE HARN LIMIT SW |
| | 211-0096 | CONN PLUG AMP 2P YELLOW |
| | 211 0041 | CONN PIN AMP |
| | 211-0167 | TERM LUG RND ID 5 |
| | 601-0460 | PLASTIC TIE BELT 85mm |
| 303 | SGB-3824-21 | WIRE HARN CONTROL UNIT |
| | 211-0104 | CONN PLUG AMP 6P ORANGE |
| | 211-0101 | CONN PLUG AMP 4P ORANGE |
| | 211-0041 | CONN PIN AMP |
| | 280-0472 | FASTON RCPT 110 |
| | 209-0023 | CONN CLOSED END |
| | 280-5008 | CORD CLAMP ϕ 21 |
| | 601-0460 | PLASTIC TIE BELT 85mm |
| | 310-5002 | HISI TUBE EVA TRS 2.5mmx0.2 |
| | 280-0425 | CORD CLAMP ϕ 10 |

7. ASSY THROTTLE U/R (TX-14001) (D-2/2)

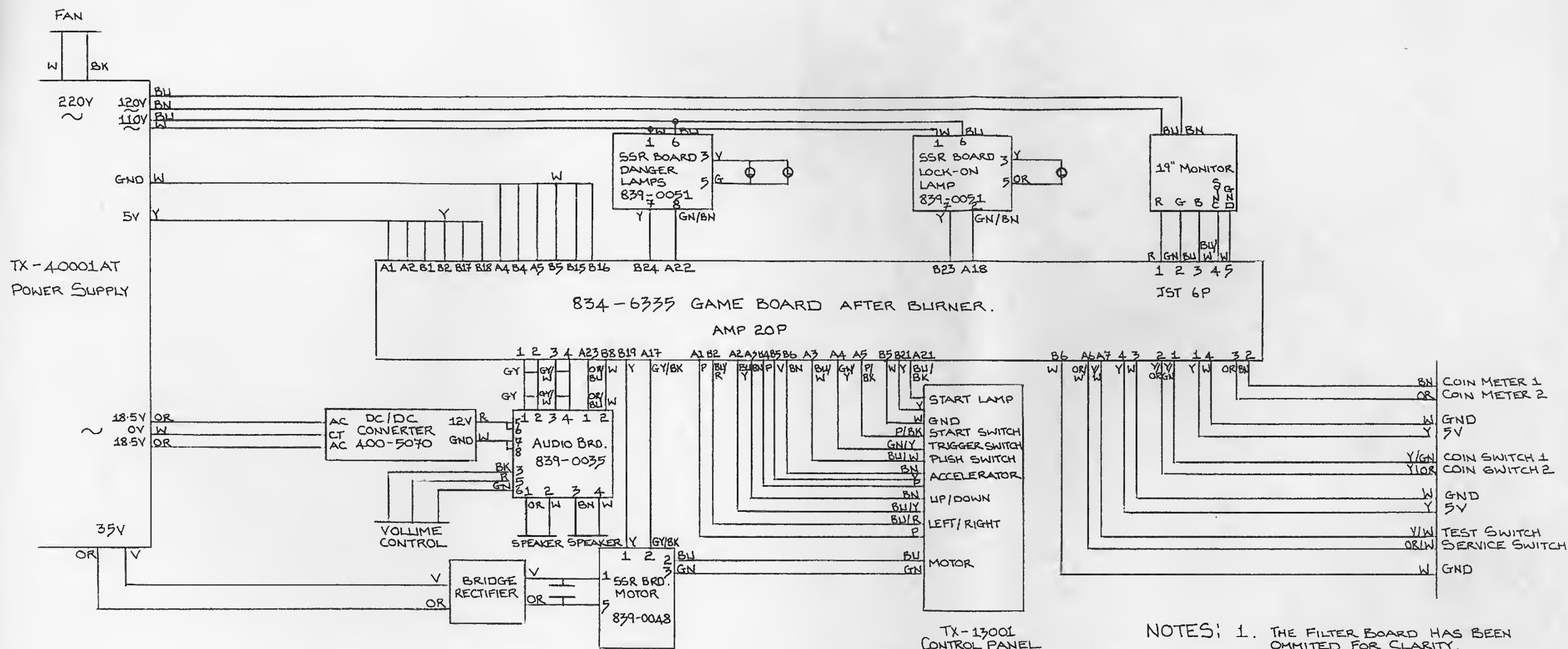
| ITEM NO. | PART NO. | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | TX-1418 | THROTTLE BASE |
| 2 | TX-1419 | VR BRACKET |
| 3 | TX-1432 | THROTTLE LEVER U/R |
| 4 | TX-1403 | SWING ARM A |
| 5 | TX-1404 | SWING ARM B |
| 6 | TX-1405 | SHAFT SWING ARM |
| 7 | TX-1406 | GUIDE RING |
| 8 | TX-1423 | EXT SPRING |
| 9 | TX-1003 | ADJUST PLATE |
| 10 | CY-2307 | ROLLER |
| 11 | KR-1303 | STOPPER PLATE |
| 12 | TX-1422 | STUD |
| 13 | TX-1430 | STOPPER BRACKET U/R |
| 101 | 220-5130 | VOL CONT B-5K OHM |
| 102 | 601-5424 | GEAR 30 |
| 103 | 601-5863 | GEAR 1/4 |
| 201 | 065-0004 | E RING 4mm |
| 202 | 065-0008 | E RING 8mm |
| 203 | 054-0006 | U-NUT M6 |
| 204 | 000-0414-S | M SCR PH W/S M4x14 |
| 205 | 000-0408-FS | M SCR PH W/FS M4x8 |
| 206 | 060-0010 | FLT WSHR M10 |
| 207 | 045-0022 | COT PIN 2.5x20 |
| 208 | 028-0014 | SET SCR HEX SKT CP UNBR M4x4 |
| 209 | 000-0406-S | M SCR PH W/S M4x6 |
| 210 | 054-0004 | U-NUT M4 |
| | 244-117 | GREASE |
| | 244-116 | SCREW LOCK |
| 301 | SGB-3824-22 | WIRE HARN THROTTLE |
| | 211-0099 | CONN PLUG AMP 3P YELLOW |
| | 211-0041 | CONN PIN AMP |
| | 601-0460 | PLASTIC TIE BELT 85mm |

8. ASSY PWR SPLY U/R (TX-40001 AT) (D-1/2)



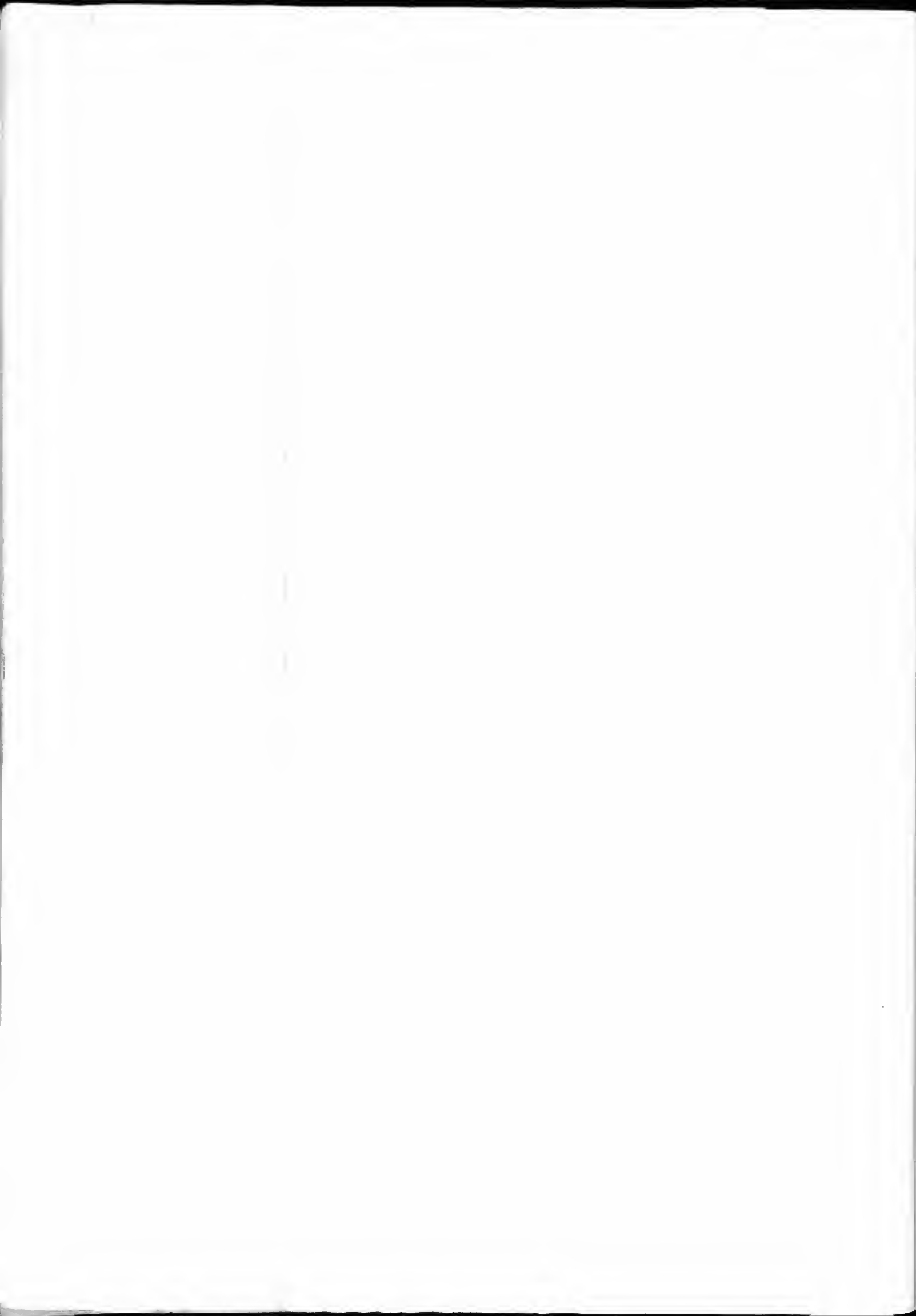
8. ASSY PWR SPLY U/R (TX-40001 AT) (D-2/2)

| ITEM NO. | PART NO. | DESCRIPTION |
|----------|-------------|-------------------------|
| 1 | A044615-51 | BASE |
| 2 | 043622-51 | STICKER FUSE INSTR |
| 3 | 560-5115 | PWR XFMR |
| 4 | 839-0035-01 | PWR AMP DC 12V 10W |
| 5 | 839-0051 | SSR BD |
| 6 | 839-0048 | SSR BD DC MOTOR |
| 101 | 400-5070 | DC/DC CONVERTER 12V 5A |
| 102 | 149010-101 | SW REGU 240V +5V 7A |
| 103 | A042384-01 | NOISE FILTER AC 250V |
| 104 | 481-0157 | DIODE BRIDGE S5VB 20 |
| 105 | 150-0173 | CAP E 4700MF 50V C-TYPE |
| 108 | 179225-2205 | FU HLDER 5 POSITION |
| 109 | 46-2012002 | FUSE 2A SLOW BLOW |
| 201 | 000-0516-FS | M SCR PH W/FS M5 x 16 |



- NOTES: 1. THE FILTER BOARD HAS BEEN OMITTED FOR CLARITY.
2. EARTH WIRES HAVE NOT BEEN SHOWN.

**WIRING DIAGRAM
AFTER BURNER**



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